

Ch 6 Test tomorrow

6.1-6.5

6.1 Ratio and Proportion

-simplify

$$\frac{a}{b} = \frac{c}{d}$$

$$\frac{a}{c} = \frac{b}{d}$$

$$1:2:3$$

$$1x + 2x + 3x = 10$$

6.2 Similar Polygons

-proportions

- $\cong \angle$ s

-proportional sides

6.3 Similar Triangles

AA~

SSS~

SAS~

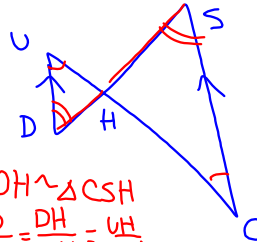
(find the 3rd)

small med large

+ check prop.

-do pictures

match



$$\triangle UDH \sim \triangle CSH$$

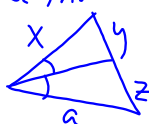
$$\frac{UD}{CS} = \frac{DH}{SH} = \frac{UH}{CH}$$

6.4 and 6.5

The rest of the proportions

Use the scale factor
for altitudes, medians,
angle bisectors
+ perimeter

Angle Bis. Thm



$$\frac{x}{a} = \frac{y}{z}$$

Review Assignment

Draw and label a picture of an
altitude, an angle
bisector, a median, and a
midsegment.

p323 #s 7, 9

p332-336 #s 17, 22-26, 35

(do not solve 26)

p337 #s 10-12

Answers will be posted on the wiki!

Check them.